

CLAIMS

1. A method for use in a DC/DC-rectifier (100), said rectifier comprising a
5 transformer (110) and a bridge on the primary side of the transformer, the
primary side bridge comprising a first pair (A', D') of switches and a second
pair (B', C') of switches, and, on the secondary side of the transformer, a
secondary side bridge comprising a first pair (A, D) of switches and a second
10 pair of switches (B, C), said method comprising linking on/off-switching of the
first pair (A', D') of switches on the primary side to the on/off-switching of the
first pair (A, D) of switches on the secondary side, with the method being
characterized in that the linking of the on/off-switching of the first pair (A', D')
of switches on the primary side to the on/off-switching of a first pair (A, D) of
15 switches on the secondary side is carried out by switching off the first pair on
the secondary side when the first pair on the primary side is switched on, and
conversely, when the first pair on the primary side is switched off.
2. The method of claim 1, additionally comprising linking on/off-switching of
the second pair (B', C') of switches on the primary side to on/off-switching of
20 the second pair (B, C) of switches on the secondary side, characterized in
that the linking of the on/off-switching of the second pair of switches on the
primary side to the on/off-switching of the second pair (B, C) of switches on
the secondary side is carried out by switching off the second pair (B, C) on
the secondary side when the second pair (B', C') on the primary side is
25 switched on, and conversely, when the second pair (B', C') on the primary
side is switched off.
3. The method of claim 1 or 2, according to which the on/off switching of the
pairs of switches is carried out by applying individual control voltage pulse
30 trains to each pair of switches, characterized in that the control voltage pulse
train which is applied to the pair of switches on the secondary side is the

inverse of the control voltage pulse train applied to the pair of switches on the primary side to which it is linked.

- 5 4. A DC/DC-rectifier (100), said rectifier comprising a transformer (110) and a bridge on the primary side of the transformer, the primary side bridge comprising a first pair (A', D') of switches and a second pair (B', C') of switches, and, on the secondary side of the transformer, a secondary side bridge comprising a first pair (A, D) of switches and a second pair (B, C) of switches, said method comprising means for linking on/off-switching of the
10 first pair (A', D') of switches on the primary side to the on/off-switching of the first pair (A, D) of switches on the secondary side, with the device being characterized in that the linking of the on/off-switching of the first pair (A', D') of switches on the primary side to the on/off-switching of a first pair (A, D) of switches on the secondary side is carried out by the linking means switching
15 off the first pair on the secondary side when the first pair on the primary side is switched on, and conversely, when the first pair on the primary side is switched off.
- 20 5. The device of claim 4, additionally comprising means for linking the on/off-switching of the second pair (B', C') of switches on the primary side to on/off-switching of the second pair (B, C) of switches on the secondary side, characterized in that the linking of the on/off-switching of the second pair (B', C') of switches on the primary side to the on/off-switching of the first pair (B,
25 C) of switches on the secondary side is carried out by the linking means switching off the second pair on the secondary side when the second pair (B', C') on the primary side is switched on, and conversely, when the second pair on the primary side is switched off.
- 30 6. The device of claim 4 or 5, in which the on/off switching of the pairs of switches is carried out by means for applying individual control voltage pulse trains to each pair of switches, characterized in that the control voltage pulse

train which is applied to the pair of switches on the secondary side is the inverse of the control voltage pulse train applied to the pair of switches on the primary side to which it is linked.